

Multi Function Controller MSC 101

Features:

- Combined gas proving and ventilation interlock control
- Adjustable purge and prove time
- Automatic detection of downstream leaks and open gas valves
- Simple to install single valve and pressure switch arrangement
- Low voltage field wiring, sensor outputs and interlocks are all 24v
- On board power to supply for up to 2 x 0-10v sensor heads (CO2, Methane, LPG etc)
- Also supply BD100 compliance for boiler houses
- Keyswitch controlled relay output for the connection of an electrical contactor





Multi Function Controller MSC 101

The MSC101 is a microprocessor based multi services & multi function controller. It provides not only the control of building services but also compliance with building bulletin 101 (carbon dioxide levels in classrooms). This makes the unit ideally suited to the school laboratory environment for example.

The capabilities of the MSC101 may at first sound complicated but the functionality of the unit is controlled by dip switches mounted on the main PCB and are simple to set up. We've taken care of the complicated bit in the software, so installers don't have to. As always clear and concise instructions are provided as is the 24 hour technical support line.

We think we've got all bases covered but as always we can provide bespoke software to satisfy all requirements. The unit is future proofed as extra interlock terminals and 0 - 10v outputs are provided. The unit can process 0 – 10v inputs or switched inputs making it completely “open protocol” meaning virtually any sensors existing or new can be connected and work effectively to satisfy the regulations.

The system can be wired to communicate with building BMS systems and there are terminals for the external switching on and off of the system. This means the system can be shut off at the end of the day to ensure energy wastage is kept to a minimum and gas and electric services are safely isolated.

Technical details:

- Enclosure dimensions 240 x 195 x 90 (keyswitch protrudes upto 50mm more)
- Electrical supply 230v upto 700w depending on outputs used
- **Outputs:**
 - 230v Gas valve
 - 230v Water valve
 - 230v contractor supply
 - 3 x aux relay outputs
 - 2 x 0-10v analogue
- **Inputs:**
 - Switched or 0-10v CO2 detector
 - BMS all off digital in
 - Fire alarm
 - Aux interlock
 - Emergency stop
 - 2 x 0-10v analogue



For more details on the Intelligas product range contact Red Dragon:



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Complementary products from Red Dragon include:

EN161 gas solenoid valves - manual reset or auto reset

Pressure and differential pressure switches

CO2 sensors

Knock-off buttons

Current sensors

Insertion or inline thermal mass gas flow meters

Ultrasonic air/gas leak detector